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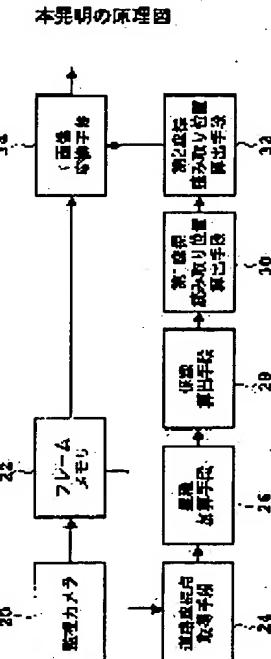
(21)Application number : 2000-243778 (71)Applicant : FUJITSU LTD  
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## (54) ROAD STATE IMAGE PROCESSING DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a road state image processing device capable of making the aspect ratio of a vehicle constant and simultaneously displaying a plurality of road monitoring images.

**SOLUTION:** This processing device comprises a frame memory arranged in the periphery of a road to store a road monitoring image taken by a monitoring camera for photographing the road state; a road coordinate point gaining means located on each input line  $Y_i$  of frame memories to gain a left end coordinate point  $X_{il}$  and a right end coordinate point  $X_{ir}$  in the frame memories of the road left end and right end; a cumulative adding means for determining the cumulative added value of  $(X_{ir} - X_{il})$  for the input line  $Y_i$ ; a first coordinate reading position calculating means for calculating the input line  $Y_u$  of the road state image corresponding to an output line  $Y_o$ ; a second coordinate reading position calculating means for calculating the road left end and right end on the input line  $Y_j$  every output line  $Y_o$ ; and an image converting means for converting the road monitoring image between the road left end and right end on the input line  $Y_j$  to an output image with a width  $W$  on the output line  $Y_o$ .



## LEGAL STATUS

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